

**Notice of Allowability**

Application No.

09/461,010

Applicant(s)

CALVEZ ET AL.

Examiner

Ponnoreay Pich

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2135

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 9/27/2006.
2. ☒ The allowed claim(s) is/are 20-22, 26-35, 40-50 and 53-62.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

### **DETAILED ACTION**

This Office action is in response to amendments and remarks filed on 9/27/2006.

#### ***Drawings***

Replacement drawings submitted on 9/27/2006 are accepted.

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Eric King on 12/7/2006. The amendments are to overcome possible objections and rejections under 35 USC 112 and rejections under 35 USC 101. Note that the addition of "storage means" as part of the system of claim 47 avoids the system being interpreted as being directed towards software per se as "storage means" is disclosed in the specification as hardware. As the content of the interview with Mr. King has been summarized herein, a separate interview summary form is not provided as per MPEP 713.04.

The application has been amended as follows:

**AMEND THE FOLLOWING CLAIMS AS FOLLOWS:**

**Claim 29 (currently amended):**

A process for creating and managing certificates for pairs of asymmetrical cryptographic keys, each certificate being intended for a pair of asymmetrical cryptographic keys for a user managed by a computer system, said process comprising:

searching in storage means for at least one user for which a certificate must be created, each user associated with a status associated with one or more attributes, wherein each of said one or more attributes is capable of having any one of the following values: ~~value of~~ pending, in progress, process ended with an error message, process done, sending a creation request, and done;

creating, based on the one or more attributes, at least one individual certification request for certifying a public key;

transmitting a certification authority request corresponding to said at least one individual certification request to a certification authority and issuing a first certificate in accordance with said certification authority request; and

~~creating each of said~~ at least one individual certification requests from a corresponding multiple certification request recorded in the storage means relative to a set of users belonging to a preset list, or to a set of users defined by predetermined criteria, as well as relative to model pairs of keys and associated model certificates for either of said sets of users.

**Claim 47 (currently amended):**

A computer system that creates and manages pairs of asymmetrical cryptographic keys and certificates associated with the pairs of keys, the pairs of keys

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and the certificates being intended for users managed by said computer system, comprising:

a key generating center that creates at least one pair of keys at the request of a local registration authority with which the key generating center communicates;

at least one certification authority to which the computer system has access for creating a certificate at the request of the local registration authority; and

means for automating, based on one or more attributes associated with one or more users, the creation and/or certification of at least one pair of keys for each user managed by said computer system, wherein each attribute is capable of having any one of the following values: pending, in progress, process ended with an error message, process done, sending a creation request, and done; and

storage means;

wherein said computer system is configured to form said created request of a local registration authority from a corresponding multiple certification request recorded in the storage means relative to a set of users belonging to a preset list, or to a set of users defined by a predetermined criteria, as well as relative to model pairs of keys and associated model certificates for either of said sets of users.

**Claims 51-52, 63-66 (Cancelled).**

### ***Conclusion***

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ponnoreay Pich whose telephone number is 571-272-7962. The examiner can normally be reached on 9:00am-4:30pm Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu can be reached on 571-272-3859. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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